

Applicant(s) : Hartmut Sauer  
Serial No. : 10/553,294  
Filed : October 14, 2005  
Page : 2 of 18

Attorney Docket No.: 68001-003US1

AMENDMENTS TO THE SPECIFICATION:

Please replace the title of this application with the following title:

An Article Having a Metallic Composite Material with Increased Adhesive Strength

Please replace the paragraph beginning at page 2, line 1 with the following amended paragraph:

aluminium onto a special polyester film in such a way that it exhibits a strong oxygen barrier, a high gloss and a low coefficient of friction. The adhesive strengths of up to 3 N/mm 3 N/mm<sup>2</sup> indicated therein, however, are too low to withstand [[to]] a functional application, subject to mechanical stress, of the metallised film.

Please replace the paragraph beginning at page 2, line 22 with the following amended paragraph:

A major disadvantage of this process is the considerable environmental pollution impact by the two caused by the chemical treatment agents such that this a process can not be much longer for considerations of environmental polities.

Please replace the paragraph beginning at page 2, line 34 with the following amended paragraph:

A disadvantage of this type of surface treatment which is based on a chemical reaction of the treatment solution with the substrate is that the swollen surfaces are highly sensitive to environmental influences such as e.g. dust embedments. Moreover, the polyamide to the be treated must be amorphous since partially crystalline or crystalline polyamides are not attacked by the method presented. Consequently, this method is a time-consuming,

Please replace the paragraph beginning at page 9, line 36 with the following amended paragraph:

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In this way, articles with a composite material can be provided for the first time which exhibit an excellent adhesion of the non-metallic layer to the ~~non-metallic~~ metallic layer. The homogeneity of the adhesion of the metallic layer also plays an important part for the suitability of these

Please add the following new paragraph after the paragraph ending at page 1,  
line 2:

#### **RELATED APPLICATION**

This application is a 35 U.S.C. 371 application of international application number PCT/IB2004/050458, filed on April 15, 2004, which claims priority to German application numbers 103 17 796.5 filed on April 16, 2003 and 10 2004 001 613.5 filed on January 9, 2004, the contents of which are incorporated by reference in their entirety.

#### **FIELD OF INVENTION**

Please add the following section heading after the paragraph ending at page 1,  
line 9:

#### **BACKGROUND**

Please add the following section heading after the paragraph ending at page 3,  
line 19:

#### **SUMMARY**

Please add the following new paragraph after the paragraph ending at page 4,  
line 35:

#### **DESCRIPTION OF DRAWING**

Figure 1 is a schematic drawing of a frontal tensile test.

Figure 2 is a schematic illustration of different surface contours in a microtome section analysis after different pre-treatments.

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Figure 3 includes scanning electron microscopy (SEM) images (1,500 fold and 3,000 fold) from microtome section investigations according to the present invention.

Figure 4 includes SEM images (1,500 fold and 3,000 fold) from microtome section investigations according to the state of the art.

**DETAILED DESCRIPTION**